



Box seq 1/1648

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

RECEIVED

In re Application of:

THOMAS BOCK
HANS TILLMAN
MICHAEL MANNS
CHRISTIAN TRAUTWEIN
STEPHEN ALISTER LOCARNINI
JOSEPH TORRESI

Group Art Unit: 1648

Examiner: Bao Q. Li

Atty. Dkt. No.: 4421.000200
(formerly 4420.000600)

SEP 12 2003

TECH CENTER 1600/2900

Serial No.: 09/877,340

Filed: June 8, 2000

For: VIRAL VARIANTS AND USES
THEREFOR

**STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.825(A) and (B)
AND STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.821(g)**

BOX SEQUENCE

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

**CERTIFICATE OF MAILING
37 C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below:

March 24, 2003

Date

Mark D. Moore

Submitted herewith is a substitute computer readable form and a substitute paper copy of the sequence listing of those sequences in the captioned patent application. The substitute computer readable form of the sequence listing is the same as the substitute paper copy of the sequence listing. The sequence information provided in the Specification is also the same as the sequence listing of the enclosed substitute computer readable and paper forms of the sequence listing.

In accordance with 37 C.F.R. § 1.821(g), it is herewith represented that no new matter is included with this submission.

Respectfully submitted,

Date: March 24, 2003



23720

PATENT TRADEMARK OFFICE

A handwritten signature in black ink, appearing to read "Mark D. Moore", written over a horizontal line.

Mark D. Moore

Reg. No. 42,903

WILLIAMS, MORGAN & AMERSON

10333 Richmond, Suite 1100

Houston, Texas 77042

(713) 934-4084

(713) 934-7011 (facsimile)

AGENT FOR APPLICANTS



1600

Doe
Correcteonly
header

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/877,340B

DATE: 01/17/2003

TIME: 10:43:32

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01172003\I877340B.raw

3 <110> APPLICANT: BOCK, THOMAS
 4 TILLMAN, HANS
 5 MANNS, MICHAEL
 6 TRAUTWEIN, CHRISTIAN
 7 LOCARNINI, STEPHEN ALISTER
 8 TORRESI, JOSEPH
 10 <120> TITLE OF INVENTION: VIRAL VARIANTS AND USES THEREFOR
 12 <130> FILE REFERENCE: 4420.000600
 14 <140> CURRENT APPLICATION NUMBER: 09/877,340B
 15 <141> CURRENT FILING DATE: 2001-06-08
 17 <150> PRIOR APPLICATION NUMBER: 60/210,395
 18 <151> PRIOR FILING DATE: 2000-06-09
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 62 <223> OTHER INFORMATION: X = H, R, or N
 65 <220> FEATURE:

→ must give genetic source - see error summary
 sheet item 11

may
 The type of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/877,340B

DATE: 01/17/2003

TIME: 10:43:32

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01172003\I877340B.raw

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      128 1 5 10 15
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      131 20 25 30
W--> 133 Asp Lys Asn Pro His Asn Thr Xaa Glu Ser Xaa Leu Xaa Val Asp Phe
      134 35 40 45
W--> 136 Ser Gln Phe Ser Arg Gly Xaa Xaa Xaa Val Ser Trp Pro Lys Phe Ala
      137 50 55 60
W--> 139 Val Pro Asn Leu Xaa Ser Leu Thr Asn Leu Leu Ser

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/877,340B

DATE: 01/17/2003
TIME: 10:43:32

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\01172003\I877340B.raw

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192 <223> OTHER INFORMATION: X = ANY AMINO ACID
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208 <221> NAME/KEY: PEPTIDE
209 <222> LOCATION: (53)..(53)
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/877,340B

DATE: 01/17/2003
TIME: 10:43:32

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\01172003\I877340B.raw

213 <220> FEATURE:
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216 <223> OTHER INFORMATION: X = ANY AMINO ACID
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228 <223> OTHER INFORMATION: X = ANY AMINO ACID
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240 <223> OTHER INFORMATION: X = D or N
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264 <223> OTHER INFORMATION: X = K or Q
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RAW SEQUENCE LISTING

DATE: 01/17/2003

PATENT APPLICATION: US/09/877,340B

TIME: 10:43:32

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01172003\I877340B.raw

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288 <223> OTHER INFORMATION: X = S or A
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/877,340B

DATE: 01/17/2003
TIME: 10:43:33

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\01172003\I877340B.ra

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,9,10,13,15,18,23,26,40,43,45,55,56,57,69
Seq#:2; Xaa Pos. 2,17,29,35,44,46,47,48,50,52,53,54,55,56,57,60,61,65,71,75
Seq#:2; Xaa Pos. 77,79,84,85,89,95,99,114,115,116,117,118,122,125,126,128
Seq#:2; Xaa Pos. 133,138,139,140,141,143,145,147,148,149,150,151,152,153
Seq#:2; Xaa Pos. 156,157,164,179

VERIFICATION SUMMARY

DATE: 01/17/2003

PATENT APPLICATION: US/09/877,340B

TIME: 10:43:33

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01172003\I877340B.raw

L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:48
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:64
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48
L:485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:80
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:112
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:128
L:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:144
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:160
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:176